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(54) PREPARATION OF POLYURETHANE RESIN

(57) Abstract:

PURPOSE: To obtain a polyurethane excellent in highly stretching properties, friction resistance to metals and thermosetting properties by incorporating a given amount of a specific diol in a polymeric diol in the preparation of the polyurethane by reacting the polymeric diol, an organic diisocyanate and a chain extender.

CONSTITUTION: In the preparation of a polyurethane by reacting a polymeric diol (e.g. polycaprolactonediol), an organic diisocyanate (e.g. 4,4'-diphenylmethane diisocyanate) and a chain extender (e.g. 1,4-butanediol), 1-30wt.% of a siliconediol given by the formula (wherein R is a 2-3 C alkylene; m is 1-3; and n is 1-100) is incorporated in the polymeric diol.

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